

Application No. 09/821,410
Amndt. dated: October 10, 2005
Reply to Office Action mailed: August 18, 2005

REMARKS/ARGUMENTS:

Claims 1-6, 8-16, 18, 20-32, 34-45, and 47-52 are pending in the application. In this amendment, claims 1-3, 5, 6, 9-16, 20-26, 31, 34-36, 39 and 47-50 have been amended to address objections and grounds of rejection under 35 USC 112 set forth in the Office Action, and claim 19 has been cancelled. No claims have been added.

Claim Objections – Office Action Section 1.

The Examiner is thanked for noting various informalities in the claims. The expression "transmission media channel" has been used consistently throughout the claims, in line with the Examiner's proposal. The changes suggested by the Examiner in claim 6 have been made and the same changes have been made in claim 5. The remaining changes suggested by the Examiner have also been made. Claims 1-6, 8-16, 18, 20-32, 34, 35, and 47-52 are believed not to be subject to the objections.

Claim Rejections under 35 US 112, first paragraph – Office Action Section 3.

To expedite prosecution to allowance of the application, claims 1, 9, 16, 26, and 39 have been amended taking into account the comments made by the Examiner.

Claim Rejections under 35 US 112, second paragraph – Office Action Section 5.

In amended claim 1, "T", "k", and "N" are now defined.

Claim 16 as amended to incorporate subject matter from claim 19 (now cancelled) recites "an estimated impulse response" which provides antecedent basis for the recitation "the estimated impulse response" in claims 20-25.

The rejection of claim 39 has been addressed by reciting "a known training signal sequence" in line 3.

Double Patenting

Claim 34 has been made dependent from claim 27 and the word "processor" has been changed to - -DSP-- to overcome the rejection.

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CONCLUSION.

It is believed all objections and grounds of rejection raised in the Office Action have been addressed and are not applicable to claims 1-6, 8-16, 18-32, 34-45, and 47-52 all of which are believed to be in condition for allowance.

Favorable consideration and early allowance of the application are respectfully solicited. If there are any remaining issues that could be resolved by discussion, a telephone call to the undersigned attorney at (425) 402-4638 would be appreciated.

Date: October 10, 2005
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Respectfully submitted,



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